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TITLE: COLOR PICTURE PROCESSOR AND COLOR PICTURE
PROCESSING METHOD

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ABSTRACT:

PURPOSE: To perform highly accurate color conversion, to be easily
suitable
for the chrominance signal characteristics of an input device without
increasing a circuit scale and to perform gamut alarm and a
compression
processing, etc., at a high speed.

CONSTITUTION: A picture input device 3 scans an original and
generates the
chrominance signals of the respective 8 bits of RGB. The RGB signals
are
converted to device independent intermediate chrominance signals
L*a*b*
(respectively 8 bits) by an NN color converter 1 (neutral network
color
converter). Then, the L*a*b* signals are converted to the respective

8 bits of
CMYK by a three-dimensional LUT(look up table) color converter 2
which is a
second color converter and supplied to a picture output device 4.

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